

**\* FORM V.G. PERFORMANCE STANDARDS AND TESTING**

1. Please describe the Applicant's testing program for the I-Net and the home subscriber network, including a summary of procedures for initial proof of performance tests, acceptance tests, continuing tests, tests in response to subscriber complaints, and other tests planned. Test procedures should be submitted for all parameters to be tested.

**See FORM V.H. SYSTEM MAINTENANCE PROCEDURES**

**Currently only subscriber modems are monitored. Modems are only monitored to ensure that the equipment and plant are functioning. The content of any signal transmitted or received by a subscriber is not monitored. Open NMS tools are used to perform this function. The modems are monitored 24/7. The monitoring of subscriber modems also services as an early detection tool for the HSN plant.**

2. Please list the key technical performance standards which will be met by the I-Net and the home subscriber network. Include for both the forward and reverse system any parameters for:

**The following are for the HSN as it exists today. The current I-Net configuration employs an HFC architecture utilizing single mode fibers and optical nodes as a cascade reduction for the I-Net.**

Bandwidth

**Forward: 50 MHz to 750 MHz  
Return: 5 MHz to 40 MHz**

Carrier-to-Noise Ratio

**Forward: > 48 dB  
Return: N.A.**

Carrier-to-Cross Modulation

**Forward: > 53 dB  
Return: N.A.**

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\* The Memorandum on Legal Issues submitted as part of the Proposal sets forth the legal principles governing Comcast's response to this Form.

Carrier-to-Composite Triple Beat

**Forward: > 53 dB**

**Return: N.A.**

Hum

**Forward: < 3%**

**Return: N.A.**

In-Channel Frequency Response

**Forward: < 2 dB**

**Return: N.A.**

System Frequency Response

**Forward: 11 dB**

**Return: N.A.**

Signal Leakage

**< 20Uv/m @ 10 m**

Signal Levels (peak-to-valley)

**Forward: N/5+4**

**Return: N.A.**

Signal Levels (variation over time)

**< 2 dB**

Signal-to-Noise

**Forward: >30 dB**

**Return: N.A.**

Bit Error Rate

**N/A**

Color Tests (chrominance-luminance delay inequality)

**N/A**

Digital video specifications (as adopted in industry practice)

N/A